

From the INTERNATIONAL SEARCHING AUTHORITY

To: CONLEY ROSE, P.C.	PCT			
P.O. BOX 3267 HOUSTON, TX 77253-3267	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of Mailing (day/month/year) 18 FEB 2005			
Applicant's or agent's file reference 1789-11103	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US03/18299	International filing date (day/month/year) 10 June 2003 (10.06.2003)			
Applicant WILLIAM MARSH RICE UNIVERSITY				
	earch report has been established and is transmitted herewith.			
Filing of amendments and statement under Article 1 The applicant is entitled, if he so wishes, to amend the	claims of the international application (see Rule 40).			
When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.				
Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35				
For more detailed instructions, see the notes on the accompanying sheet.				
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.				
3. With regard to the protest against payment of (an) ac	dditional fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.				
4. Reminders				
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.				
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.				
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.				
Name and mailing address of the ISA/US	Authorized officer			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Gregory J Toatley, Jr.			
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. (571)272-2800 ext.77			

Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230
Form PCT/ISA/220 (April 2002)

(See notes on accompanying sheet)



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 1789-11103	FOR FURTHER ACTION	see Notific Report (Fo	cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable, ow.
International application No. PCT/US03/18299	International filing date (day/mon 10 June 2003 (10.06.2003)	th/year)	(Earliest) Priority Date (day/month/year) 10 June 2002 (10.06.2002)
Applicant WILLIAM MARSH RICE UNIVERSITY	(
according to Article 18. A copy is being	ng transmitted to the International	earching Au Bureau.	uthority and is transmitted to the applicant
This international search report consists	s of a total of γ sheets.		
It is also accompanie	ed by a copy of each prior art docu	iment cited	in this report.
language in which it was filed	d, unless otherwise indicated under	this item.	basis of the international application in the
the international search wa Authority (Rule 23.1(b)).	s carried out on the basis of a transl	ation of the	e international application furnished to this e international application, the international
	nal application in written form.		
filed together with the inte	rnational application in computer re	adable forn	n.
furnished subsequently to	this Authority in written form.		
	this Authority in computer readable		
international application a	s filed has been furnished.		es not go beyond the disclosure in the
the statement that the info been furnished.	rmation recorded in computer reada	ble form is	identical to the written sequence listing has
2. Certain claims were four	nd unsearchable (See Box I).		
3. Unity of invention is lack	king (See Box II).		
4. With regard to the title,	and the state of t		
the text is approved as sul			
the text has been establish	ed by this Authority to read as follo	ows:	
5. With regard to the abstract,			
the text is approved as su			
the text has been establish within one month from the	ned, according to Rule 38.2(b), by the date of mailing of this internation	his Authori al search re	ty as it appears in Box III. The applicant may eport, submit comments to this Authority.
6. The figure of the drawings to be	published with the abstract is Figure	e No	- 57
as suggested by the applic			None of the figures
because the applicant fail	ed to suggest a figure.		
Seemest and approximation			

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/18299

A. CLASSIFICATION OF SUBJECT MATTER		Ì				
IPC(7) : G01N 21/00						
	US CL: 356/432 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by	classification symbols)					
U.S. : 356/432,435; 73/24.01, 24.02, 601; 250/492.1	,					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)						
TO BE DELEVANT						
C. DOCUMENTS CONSIDERED TO BE RELEVANT Category * Citation of document, with indication, where appropriate the construction of the construction o	propriate of the relevant passages	Relevant to claim No.				
201/06/07 10	94) column 6-column 9.	1-15				
Y US 4,713,540 A1 (Gilby et al.) 15 December 1987 (1:	1-15					
A US 5,159,411 A1 (Hammerich et al.) 27 October 1992 (19.10.1992), entire document		1-15				
		<u> </u>				
Further documents are listed in the continuation of Box C.	See patent family annex.					
Special categories of cited documents:	"T" later document published after the in	ernational filing date or priority				
1	date and not in conflict with the appl principle or theory underlying the in-	rention				
"A" document defining the general state of the art which is not considered to be of particular relevance						
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	ered to involve an inventive step				
*L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as	"Y" document of particular relevance; the	claimed invention cannot be				
specified)	considered to involve an inventive st	ch documents, such combination				
"O" document referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the "&" document member of the same pater					
-P" document published prior to the international filing date but later than the priority date claimed						
Date of the actual completion of the international search	Date of mailing of the international sea 18 FEB 2005	rcn report				
06 December 2004 (06.12.2004)	Authorized officer					
Name and mailing address of the ISA/US	X \ \ \	ATTO 1				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Gregory J Toatley, Jr.	ymyrc)				
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. (571) 272-280 ext.77	-V				
Facsimile No. (703) 305-3230						
Form PCT/ISA/210 (second sheet) (July 1998)						